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In the Claims:

1-17.(canceled)

18.(currently amended) An air treatment device comprising:

an airborne agent a gas or vapor detector comprising a plurality of airborne agent gas or vapor sensors and at least two airborne agent sensors which sense a the same airborne agent, wherein the airborne agent is an airborne chemical in a form of a gas, vapor, solid or liquid particle or droplet, gas or vapor, the airborne agent gas or vapor detector comprising means to detect a threshold level or concentration of the airborne agent, a gas or vapor, a means to mount a source of air treatment agent to the device, and a means to expel a portion of air treatment agent, upon detection of the threshold level or concentration of the airborne agent a gas or vapor by the airborne agent detector, where a processor unit must receive signals from at least both sensors that sense the same airborne agent in order to cause a portion of airborne treatment agent to be expelled.

19.(previously presented) An air treatment device according to claim 18, wherein the mounted source of air treatment agent also passively emanates the air treatment agent.

20.(currently amended) An air treatment device according to claim 18, wherein the means to expel a portion of air treatment agent comprises a heater element and proximity to a diffusion wake, the heater element being actuated upon detection of the airborne agent a gas or vapor by the airborne agent detector in order to increase the emanation of the air treatment agent.

21.(previously presented) An air treatment device according to claim 18, wherein the means to mount a source of air treatment agent to the device comprises means to connect a receptacle to the device, the receptacle comprising the air treatment agent.

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22.(previously presented) An air treatment device according to claim 18, wherein the detector includes a sensor which detects both a target gas or vapor and a non-target gas or vapor, wherein in order to eliminate expulsion of air treatment agent in response to the non-target gas or vapor, the device includes a second sensor which detects the non-target gas or vapor, the processor unit being arranged to prevent the expulsion of the air treatment agent when the second sensor detects a signal, completely or until the first sensor gives a signal at a higher threshold value than usual.

23.(currently amended) An air treatment device according to claim 18, wherein the airborne agent detector includes a person detector, and the processor unit allows airborne treatment agent to be expelled, in response to a signal from one or more of the sensors, only when the person detector gives a signal and for an interval thereafter.

24.(currently amended) An air treatment device according to claim 18, wherein the airborne agent detector comprises a conducting polymer sensor.

25.(previously presented) An air treatment device according to claim 18, wherein the air treatment agent expulsion means comprises a pump or aerosol.

26.(previously presented) An air treatment device according to claim 18, on which is mounted a source of air treatment agent.

27.(previously presented) An air treatment device according to claim 18, wherein the air treatment agent comprises an agent capable of masking, neutralizing or retarding malodor, or unwanted odor.

28.(previously presented) An air treatment device according to claim 18, wherein the air treatment agent comprises a deodorant, an antibacterial agent, a sanitizing agent, a fragrance, a perfume or an anti-allergenic agent.

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29.(new) An air treatment device according to claim 18, wherein the airborne agent detector comprises at least one metal oxide sensor.

30.(new) An air treatment device according to claim 18, wherein the two airborne agent sensors produce different signals in response to the same airborne agent.

31.(new) An air treatment device according to claim 30, wherein the air treatment agent is released when a defined combination of the different signals are emitted from the two airborne agent sensors.